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File: USPT

May 7, 2002

US-PAT-NO: 6384034

DOCUMENT-IDENTIFIER: US 6384034 B2

TITLE: Method of treating migraines and pharmaceutical compositions

DATE-ISSUED: May 7, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Simitchieva; Kremena	Basking Ridge	NJ		
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McKinney; Errol	Doylestown	PA		
Sandquist; Eric J.	Doylestown	PA		
Khannna; Deepak K.	Furlong	PA		
Hargreaves; Richard	Terlings Park			GB

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Merck & Co., Inc.	Rahway	NJ			02

APPL-NO: 09/ 934823 [PALM]

DATE FILED: August 22, 2001

## PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application is a continuation of U.S. Application Ser. No. 09/429,274, filed Oct. 29, 1999, now abandoned, which claims the benefit of U.S. Provisional Application No. 60/106,605, filed Nov. 2, 1998.

INT-CL: [07] A61 K 31/50, A61 K 31/495, A61 K 31/44, A61 K 31/42, A61 K 31/415

US-CL-ISSUED: 514/252; 514/335, 514/378, 514/406, 514/460

US-CL-CURRENT: 514/252.01; 514/335, 514/378, 514/406, 514/460

FIELD-OF-SEARCH: 514/460, 514/406, 514/378, 514/335, 514/252

## PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5298520</u>	March 1994	Baker et al.	

<input type="checkbox"/>	<u>5451588</u>	September 1995	Baker et al.
<input type="checkbox"/>	<u>5527817</u>	June 1996	Baker et al.
<input type="checkbox"/>	<u>5807571</u>	September 1998	List
<input type="checkbox"/>	<u>5834502</u>	November 1998	Cheng et al.
<input type="checkbox"/>	<u>5861419</u>	January 1999	Dube et al.
<input type="checkbox"/>	<u>5872145</u>	February 1999	Plachetka
<input type="checkbox"/>	<u>5891885</u>	April 1999	Caruso
<input type="checkbox"/>	<u>5942503</u>	August 1999	Jung et al.
<input type="checkbox"/>	<u>5981526</u>	November 1999	Hargreaves
<input type="checkbox"/>	<u>5994379</u>	November 1999	Bayly et al.
<input type="checkbox"/>	<u>6077539</u>	June 2000	Plachetka et al.
<input type="checkbox"/>	<u>6310099</u>	October 2001	Fujimoto et al.

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
1 051 993	May 2000	EP	
1 051 994	May 2000	EP	
1 051 995	May 2000	EP	
WO98/06392	February 1998	WO	
WO98/20870	May 1998	WO	
WO00/48583	February 2000	WO	

## OTHER PUBLICATIONS

Bates et al., "Subcutaneous sumatriptan during the migraine aura . . . ", DatabaseMeline, AN 95022243, abstract, Neurology, 1994, vol.44/9, pp. 1587-1592.\*  
 Rapoport et al., "Oral sumatriptan in preventing headache reccurrence . . . " Database Caplus, AN 1995:760113, abstract, Neurology, 1995, vol. 45/9, pp. 1505-1509.\*

Hannington-Kiff., Sumatriptan relieves and prevents peri-operative migraine attacks", Database Medline, AN 93212901, abstract, Anaesthesia, 1993, vol. 48/2, pp. 144-146.\*

Leone et al., "A reveiw of the treatment of primary headaches . . . " Database Medline, AN96435897, abstract, Italian J. of neurological Sciences, 1995, vol. 16/9, pp. 577-586.\*

Warner, Timothy, D., et al.; Proc. Natl. Acad. Sci. USA, Pharmacology, vol. 96, pp. 7563-7568, 1999.

Barner, A.--Acanidianavian J. of Rheumatology, Supp. 102, pp. 29-37, 1996.

Jezdimirovic, et al.--Veterinarski, G., vol. 53/3-4, pp. 135-145, 1999.

Lund, et al.--Osteoarthritis and Cartilage, vol.5/4, pp. 283-288, 1997.

Baumgartner, M.--Dtsch. Apoth.Ztg., vol. 137/25, pp. 2157-2159, 1997.

Van Ryn, et al.--Expert Opin.Invent Drugs, vol. 6/5, pp. 609-614, 1997.

Newman, et al., Neurology, vol. 51, pp. 307-309, 1998.

ART-UNIT: 1614

PRIMARY-EXAMINER: Jarvis; William R. A.

ASSISTANT-EXAMINER: Kim; Vickie

ATTY-AGENT-FIRM: Yuro; Raynard Billups; Richard C. Rose; David L.

ABSTRACT:

A combination of a 5HT<sub>1B</sub>/1D agonist and a COX-2 selective inhibitor is useful in the treatment and or prevention of migraine.

9 Claims, 0 Drawing figures